

Daily Report

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Research

This week I mainly focused on resolving implementation issues. The following figure illustrates a simple top-level structure of Visual SVM.

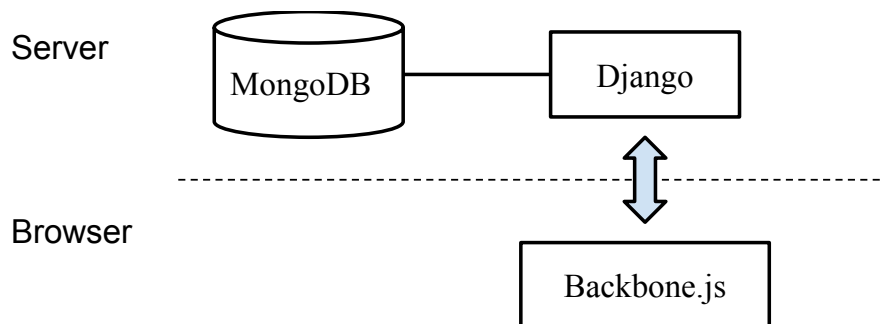


Figure 1: Projection orthogonal to the separating plane.

- **MongoDB** is used for storing persistent data including the original datasets and so on;
- **Django** is a Python web framework. Here it provides web APIs for data access and SVM training and some computation work for visualization;
- **Backbone.js** is an MVC framework in JavaScript on web browsers as a bridge between Django and other parts on the browser. It manages data and models retrieved from web server and provide methods to perform CURD(create, update, read, delete) operations on the server.

The Django framework and Backbone.js are planned to be applied in Attic Framework in the next milestone, so I paid more attention on them this week. Currently the MongoDB database has been created as well as the browser view frames. Next week I will finish the Django part and the views in browser and connect them together.

Next Plans

- Continue the implementation mentioned above.